

**BY ORDER OF THE COMMANDER
AIR FORCE SPACE COMMAND**



**AIR FORCE SPACE COMMAND INSPECTION
CHECKLIST 20-17**

1 FEBRUARY 1999

Logistics

**NON-NUCLEAR MUNITIONS INSPECTION,
MAINTENANCE AND STORAGE (WING)**

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This Checklist reflects Command requirements for managers to prepare for and conduct internal reviews in the functional area of Non-Nuclear Munitions Inspection, Maintenance and Storage.

SUMMARY OF REVISIONS

This Checklist has been revised to convert AFSPCSIG 90-2991 into correct format, realign and update references.

1. References have been provided for each critical item. Critical items have been kept to a minimum and are related to public law, safety, security, fiscal responsibility and/or mission accomplishment. While compliance with non-critical items is not rated, these items help gauge the effectiveness/efficiency of the function.

2. This checklist establishes a baseline checklist. The checklist will also be used by the Command IG during applicable assessments. Use the checklist at **Attachment 1** as a guide only. Add to or modify each area as needed, to ensure an effective and thorough review of a unit's Non-Nuclear Munitions Inspection, Maintenance and Storage function.

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Attachment 1

NON-NUCLEAR MUNITIONS, INSPECTION, MAINTENANCE, AND STORAGE (WING)

Table A1.1. Checklist.

SECTION 1: INSPECTION, MAINTENANCE AND STORAGE MISSION STATEMENT: To ensure all government owned and controlled non-nuclear munitions are properly inspected, maintained and stored.			
1.1. CRITICAL ITEMS:	YES	NO	N/A
1.1.1. Are operations limited to the minimum number of personnel and the minimum amount of munitions for the minimum time necessary consistent with a safe and efficient operation? (AFMAN 91-201, Paras 1.1.4, 2.5 and DoD 6055.9-STD, Chapter 1, C1.1.2)			
1.1.2. Is access to explosive storage or operating locations denied to the public or agencies that don't require such contact? (AFMAN 91-201, Para 2.7.5)			
1.1.3. Does the crew chief notify munitions control each time a change in explosive locations, fire or hazard symbols occurs? (AFMAN 91-201, Para 2.18.3)			
1.1.4. Are nonexplosive laden vehicles and equipment refueled at least 100 feet from explosives? (AFMAN 91-201, Para 2.71.5)			
1.1.5. When refueling explosive loaded vehicles, is a bonded path maintained between the tank being emptied and the tank being filled? (AFMAN 91-201, Para 2.71.5.1)			
1.1.6. Is smoking prohibited in on, or within 50 feet of an explosive loaded vehicle? (AFMAN 91-201, Para 2.11.2)			
1.1.7. Are personnel and explosives separated during explosive movements? (AFMAN 91-201, Para 2.70)			
1.1.8. Are two fire extinguishers available for immediate use at any location where explosives are being handled? (AFMAN 91-201, Para 2.22.1)			
1.1.9. Are guidelines as prescribed in AFMAN 91-201 followed when an electrical storm is in the vicinity (5 nautical miles or 5.75 miles) of the installation? (AFMAN 91-201, Para 2.56)			
1.1.10. Are only fully qualified 5-, 7- and 9-skill level technicians used to inspect and maintain non-nuclear munitions, missiles and MMHE to ensure they are serviceable, safely operable and available for sustained use (3-skill level technicians must be supervised by a 5-skill level or above technician)? (AFPD 21-2, Para 12)			
1.1.11. Do crewmembers receive a safety brief prior to starting explosive operations? (AFI 21-201, Para 1.4.7.)			
1.1.12. Are compatibility groups mixed according to DoD 6055.9-STD, chapter 3, table 3-1, Storage Compatibility Mixing Chart? (AFMAN 91-201, Paras 2.43 and 2.44)			

1.1.13. Are ammunition and explosives not stored with items that present positive hazards to the munitions? (DoD 6055.9-STD, Chapter 3, C3.2.2)			
1.1.14. Are munitions maintained in a war ready, shipping configuration, serviceable condition, allowing them to be deployed when and where needed? (AFPD 21-2, Para 1 and AFI 21-201, Para 3.2.17.)			
1.1.15. Are qualified inspectors appointed by the Flight Chief or equivalent IAW AFI 21-201, Paras 2.2.1. and 2.2.2.? (AFI 21-201, Paras 2.2.1 and 2.2.2.)			
1.2. NONCRITICAL ITEMS:			
1.2.1. Do munitions personnel and the area security supervisor visually inspect and test area and maintenance-assembly-building locks for end-of-day checks? (AFI 31-101, Vol 1, Para 7.16.2.1.)			
1.2.2. Are accepted explosive facility deviations documented? (DoD 6055.9-STD, Chapter 1, C1.2.3)			
1.2.3. Are explosive limits posted in each magazine and igloo? (AFI 21-201, Para 3.2.10 and AFMAN 91-201, Para 2.5.1)			
1.2.4. Are the explosives and the personnel limits posted in operating locations for the operation being performed? (AFMAN 91-201, Paras 2.5.2 and 2.5.3)			
1.2.5. Is each explosive operating building equipped with an audible manually operated fire evacuation alarm? (AFMAN 91-201, Para 2.20)			
1.2.6. Are custody accounts and courtesy stored munitions segregated to the furthest extent possible? (AFI 21-201, Para 3.1.5.)			
1.2.7. Are training munitions physically separated from the live munitions they represent? (AFMAN 91-201, Para 2.27.13)			
1.2.8. Does dunnage for inside storage provide a minimum clearance of two inches from the floor (2X4 dunnage meets the minimum requirements)? (AFI 21-201, Para 3.2.5.)			
1.2.9. Are interiors of storage structures clean and free of prohibited articles and material? (AFI 21-201, Para 3.2.15.)			
1.2.10. Are combustible waste material containers emptied at least once each day or shift? (AFMAN 91-201, Para 2.10.1)			
1.2.11. Are combustible materials limited to working quantities in the vicinity of explosives? (AFMAN 91-201, Paras 2.21.6.1 and 2.21.8.4)			
1.2.12. Are smoking areas within an explosive area designated and posted "Authorized Smoking Area" as well as a certificate of approval by the fire chief? (AFMAN 91-201, Para 2.11)			
1.2.13. Is a "No Smoking" sign posted at each entrance to an explosive storage area? (AFMAN 91-201, Para 2.11)			
1.2.14. Are five-foot firebreaks maintained around igloo ventilators? (AFMAN 91-201, Para 2.21.3)			

1.2.15. Are 50-foot firebreaks maintained around each potential explosion site where possible? (AFMAN 91-201, Para 2.21.3)			
1.2.16. Are flammable liquids used for cleaning purposes used only as authorized? (AFMAN 91-201, Para 2.21.5)			
1.2.17. Are only small stocks of flammable materials required to support explosive maintenance operations maintained? (AFMAN 91-201, Para 2.21.6)			
1.2.18. Are vehicles parked at least 100 feet from any explosive location except during loading/unloading operations? (AFMAN 91-201, Para 3.17.1)			
1.2.19. Do storage structures have ventilation or other suitable means of air circulation? (AFMAN 91-201, Para 2.27.6)			
1.2.20. Are ventilators periodically checked to ensure they function properly? (AFMAN 91-201, Para 2.27.9)			
1.2.21. Are aisles maintained for explosive stock so that each stack may be inspected? (AFMAN 91-201, Para 2.29.2)			
1.2.22. Are nonstandard boxes closed and properly marked to show contents and quantities? (AFMAN 91-201, Para 2.30)			
1.2.23. Is ventilation provided for all parts of explosive stock by the use of dunnage? (AFMAN 91-201, Para 2.29.1)			
1.2.24. Are lite boxes properly identified? (AFI 21-201, Para 2.4.2.4.)			
1.2.25. Are munitions in the transportation mode labeled with the required information? (AFMAN 91-201, Para 2.6.3)			
1.2.26. Are vehicles properly identified with required placards? (AFMAN 91-201, Paras 2.25.6 and 2.71.2)			
1.2.27. Are fire symbols visible from all approach roads and backed with material that is the shape of the fire symbol and noncombustible (N/A for inside a WSA)? (AFMAN 91-201, Paras 2.25.7 and 2.25.7.4)			
1.2.28. Is a fire extinguisher available for each item of powered material handling equipment (MHE) used to handle or transport explosives? (AFMAN 91-201, Para 2.22.2)			
1.2.29. Are two portable 2A:10BC rated fire extinguishers available for each explosive laden vehicle? (AFMAN 91-201, Para 2.22.3)			
1.2.30. Do munitions inspectors conduct all required munitions inspections? (AFI 21-201, Para 2.5., T.O. 11A-1-10 and Item T.O.)			
1.2.31. Are explosive laden vehicles attended? (Can be left unattended in a properly designated area.) (AFMAN 91-201, Paras 2.56.1, 2.70.7 and 2.74.8)			
1.2.32. Are non-static producing materials worn when handling or installing unpackaged electrically initiated devices and ammunition? (AFMAN 91-201, Para 2.51.1)			

1.2.33. Where fusible links are required, are they unpainted, serviceable, properly installed and rated for a maximum temperature of 155 to 165F (NSN 4210-00-033-6032 or suitable substitute)? (AFMAN 91-201, Para 2.27.8. and AFI 21-201, Para 3.2.12.)			
1.2.34. Are explosive structures in good condition and suitable for the storage of munitions types and hazard class/division involved? (AFMAN 91-201, Para 2.27.5)			
1.2.35. Are storage locations assigned IAW T.O. 11A-1-61-4? (AFI 21-201, Para 3.2.19)			
1.2.36. Are explosive structures covered with at least 24 inches of earth and properly maintained to prevent erosion or fire hazards? (AFMAN 91-201, Para 2.27.6, DoD 6055.9-STD, Chapter 5,C5.3.4.2 and AFI 21-201, Para 3.2.13.)			
1.2.37. Are TCTO actions on conventional munitions reported using the Conventional Munitions TCTO Tracking System (CMTCTOTS)? (AFI 21-201, Para 4.1.)			
1.2.38. Are DD 1500 series tags completed IAW T.O. 00-20-3? (AFI 21-201, Para 4.1)			
1.2.39. Do personnel properly use Red X procedures IAW T.O. 00-20-1? (AFI 21-201, Para 4.1.)			
1.2.40. Do personnel accomplish In-Process Inspections (IPI) IAW T.O. 00-20-1? (AFI 21-201, Para 4.1.)			
1.2.41. Are AFTO Form 350s annotated IAW T.O. 00-20-2? (AFI 21-201, Para 4.1.)			
1.2.42. Are T.O. sets maintained IAW T.O. 00-5-2? (AFI 21-201, Para 4.1.)			
1.2.43. Are emergency eyewash and showers maintained IAW AFOSH STD 127-32? (AFI 21-201, Para 4.1.)			
1.2.44. Are lifting devices inspected, weight checked, stenciled IAW AFOSH STD 127-46? (AFI 21-201, Para 4.1.)			
1.2.45. Are failed to function munitions reported by message or T.O. 00-35D-54 to the equipment specialist? (AFI 21-201, Para 2.7.)			
1.2.46. Are UN and Performance Oriented Packing (POP) markings present on all outbound munitions shipments? (AFI 21-201, Para 2.5.8.)			
1.2.47. Do personnel use the DoD POP database (PC POP) to determine DoD POP containers and markings? (AFI 24-202, Para A8.3.)			
1.2.48. Do personnel have access to Hazardous Material Information System (HMIS)? (AFI 24-202, Para A8.2.)			